Contents

NAKANO, K. E. and NAKAMURA, H. Origin of the irideal striated muscle in birds	1
KREFFT, M., VOET, L., GREGG, J. H. and WILLIAMS, K. L. Use of a monoclonal antibody recognizing a cell surface determinant to distinguish prestalk and prespore cells of Dictyostelium discoideum slugs	15
VAN DE KAMP, M. and HILFER, S. R. Cell proliferation in condensing scleral ectomesenchyme associated with the conjunctival papillae in the chick embryo	25
COPP, A. J. Relationship between timing of posterior neuropore closure and development of spinal neural tube defects in mutant (curly tail) and normal mouse embryos in culture	39
GAUNT, S. J. In vivo and in vitro cultured mouse preimplantation embryos differ in their display of a teratocarcinoma cell surface antigen: possible binding of an oviduct factor	55
ALBERCH, P., LEWBART, G. A. and GALE, E. A. The fate of larval chondrocytes during the metamorphosis of the epibranchial in the salamander, Eurycea bislineata	71
COOKE, J. and WEBBER, J. A. Dynamics of the control of body pattern in the development of <i>Xenopus laevis</i> . I. Timing and pattern in the development of dorsoanterior and posterior blastomere pairs, isolated at the 4-cell stage	85
COOKE, J. and WEBBER, J. A. Dynamics of the control of body pattern in the development of <i>Xenopus laevis</i> . II. Timing and pattern in the development of single blastomeres (presumptive lateral halves) isolated at the 2-cell stage	113
COOKE, J. Dynamics of the control of body pattern in the development of <i>Xenopus laevis</i> . III. Timing and pattern after u.v. irradiation of the egg and after excision of presumptive head endo-mesoderm	135
STEFANINI, S., FARRACE, M. G. and ARGENTO, M. P. C. Differentiation of liver peroxisomes in the foetal and newborn rat. Cytochemistry of catalase and D-aminoacid oxidase	151
SATO, M., OZAWA, M., HAMADA, H., KASAI, M., TOKUNAGA, T. and MURAMATSU, T. Cell surface markers to monitor the process of visceral endoderm differentiation from embryonal carcinoma cells: identification of the stage sensitive to high concentration of retinoic acid	165
WINKLBAUER, R. and HAUSEN, P. Development of the lateral line system in Xenopus laevis. III. Development of the supraorbital system in triploid embryos and larvae	183
WINKLBAUER, R. and HAUSEN, P. Development of the lateral line system in Xenopus laevis. IV. Pattern formation in the supraorbital system	193
WIEBOLD, J. L. and ANDERSON, G. B. Lethality of a tritiated amino acid in early mouse embryos	209
SCHMIDT, G. H., WILKINSON, M. M. and PONDER, B. A. J. Detection and characterization of spatial pattern in chimaeric tissue	219
TUCKETT, F. and MORRISS-KAY G. M. The ontogenesis of cranial neuromeres in the rat embryo. II. A transmission electron microscope study	231
EMANUELSSON, H. Autoradiographic analysis of RNA synthesis in the oocyte-nurse cell complex of the polychaete Ophryotrocha labronica	249
BULLEIT, R. F. and ZIMMERMAN, E. F. The influence of the epithelium on palate shelf reorientation	265

Continued overleaf

BEDDINGTON, R. S. P. The development of 12th to 14th day foetuses following reimplantation of pre- and early-primitive-streak-stage mouse embryos	281
ковауакаwa, у. Accumulation of pigment granules around nuclei in early embryos of Anura (Amphibia)	293
GARDNER, R. L. Regeneration of endoderm from primitive ectoderm in the mouse embryo: fact or artifact?	303
HOGG, H. and MCLAREN, A. Absence of a sex vesicle in meiotic foetal germ cells is consistent with an XY sex chromosome constitution	327
MORRISS-KAY, G. and TUCKETT, F. The role of microfilaments in cranial neurulation in rat embryos: effects of short-term exposure to cytochalasin D	333
GARDNER, R. L., LYON, M. F., EVANS, E. P. and BURTENSHAW, M. D. Clonal analysis of X-chromosome inactivation and the origin of the germ line in the mouse embryo	349
STERN, C. D., MANNING, S. and GILLESPIE, J. I. Fluid transport across the epiblast of the early chick embryo	365
INDEX OF AUTHORS AND TITLES	385
SUBJECT INDEX	387

